



Paumier Marine

AIR HANDLING UNITS

APPLICATION

Air Handling Units are HVAC equipment designed and manufactured to regulate temperature, hygrometry and air renewal through a building, a boat, a technical room thanks to treated air blown with a fan.

Paumier manufactures tailor-made AHUs, to meet each customer's specific requirements.

TECHNICAL INFORMATION (*)

Refrigerant	All H(C)FC, Water
Cooling capacities	6 to 180 kW
Filtration	G4
Air Volume	500 to 18 000 m ³ /h
Fan Motor	400VAC/3ph/50Hz

CASING / PANEL

Durable aluminum casing, double skinned panel with thermal and acoustic insulation (25mm). Easy installation and maintenance access thanks to hinges and handles.

COIL

Coil is manufactured with copper pipes and aluminum fins (fin spacing of 2,5 mm). This range of coils includes water heating coils, water cooling coils, and evaporators. Coils are available in option with a wide range of materials (copper fins,...), geometries and dimensions. Specific coating (Blygold/Heresite) can be applied on the coil to increase equipment lifetime.

CONDENSATE DRAIN PAN

Units are equipped with a drain pan and a U-bend to drain water produced by cooling coil.

FAN MOTOR

AHUs are equipped with centrifugal fan (direct drive or pulley belt coupling), to ensure the necessary pressure to distribute air through a ductwork. Fans are made of galvanized steel and have a shaft with ball bearings to avoid any specific system of lubricant.

Fan motor protection class IP55, with an option to regulate fan speed with a variable frequency drive.



TEST

Design pressure : 21 bar. Each heat exchanger is leak tested with dry nitrogen and finally supplied with a nitrogen charge.

OPTIONS (*)

Heating	Electrical Heater, Heating Coil
Casing / Panels	Stainless Steel 316L
Special Fan motor	60Hz, 440V, 230V,... Frequency Inverter
Filtration (2nd) stage	F7, F8, F9,...
Coil	Copper fins, SS316L frame
Coating	Heresite treatment, Blygold
Instrumentation	Differential pressure transmitter Differential pressure gauge
Accessories	Manual damper Actuator Droplet separator

()Please confirm your needs and your alternative solutions with Paumier Engineering Department*

Solutions for Refrigeration and Climatic Engineering

www.paumier-sa.fr

Fécamp (Head Office)
Parc d'activités des Hautes Falaises - 76400 - FECAMP
Tel : +33 (0)2 35 10 42 90 Fax : +33 (0)2 35 29 34 78 E-mail : marine@ets-paumier.fr
Agencies : Concarneau - Vitrolles